



## Human arboviral encephalitis

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### Abstract:

Worldwide, arboviral illnesses constitute the most important international infectious threat to human neurological health and welfare. Before the availability of effective immunizations, approximately 50,000 cases of Japanese encephalitis occurred in the world each year, one-fifth of which cases proved lethal and a much larger number were left with severe neurological handicaps. With global climate change and perhaps other factors, the prevalences of some arboviral illnesses appear to be increasing. Arboviral illnesses, including Japanese encephalitis, tick-borne encephalitis, Yellow fever, and others, are emerging as possible global health care threats because of biological warfare. This chapter will review ecology, pathophysiology, diagnosis, management, and outcome of the forms of arboviral encephalitis that are of greatest importance in North America, together with some of the most important arboviral encephalitides prevalent in other parts of the world.

**Source:** <http://dx.doi.org/10.1016/j.spen.2012.03.002>

### Resource Description

#### Exposure :

weather or climate related pathway by which climate change affects health

Ecosystem Changes, Temperature, Unspecified Exposure

**Temperature:** Fluctuations

#### Geographic Feature:

resource focuses on specific type of geography

None or Unspecified

#### Geographic Location:

resource focuses on specific location

Global or Unspecified

#### Health Impact:

specification of health effect or disease related to climate change exposure

Infectious Disease, Other Health Impact

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**Infectious Disease:** Vectorborne Disease

**Vectorborne Disease:** Mosquito-borne Disease, Tick-borne Disease

**Mosquito-borne Disease:** Viral Encephalitis, Viral Encephalitis, Viral Encephalitis, Viral Encephalitis, Viral Encephalitis

**Tick-borne Disease:** Tick-borne Encephalitis

**Other Health Impact:** Arboviral encephalitis

**Resource Type:** 

format or standard characteristic of resource

Review

**Timescale:** 

time period studied

Time Scale Unspecified